The EDUCAUSE 2020 Top 10 Strategic Technology lists reflect the level of attention that the higher education technology community is giving to various existing and emerging technologies. Based on survey responses, EDUCAUSE has identified the top 10 strategic technologies for higher education. By our definition, strategic technologies are those relatively new technologies that institutions will be spending the most time implementing, planning, and tracking in 2020. This year, 312 US and 57 non-US higher education CIOs and IT leaders shared their current practices and intended deployment plans for 98 different technologies. The number of US respondents rating individual technologies ranged from 231 to 260. Sample sizes presented in the following lists represent the fewest respondents for any technology within each list.

This almanac depicts four ways to view the top 10 strategic technologies: by all US institutions (overall rank order), by Carnegie Classification, by institutional approach to technology (early, mid, or late adopter), and by institution size (based on student FTE). These views can help personalize the top 10 strategic technology experience and compare your institution’s status to your peers’. Lists include more than 10 technologies when ties occurred. View additional resources, including an interactive strategic technologies graphic, on the Strategic Technologies research hub.

**All US Respondents (n = 231)**

1. Uses of APIs
2. Institutional support for accessibility technologies
3. Blended data center (on premises and cloud based)
4. Incorporation of mobile devices in teaching and learning
5. Open educational resources
6. Technologies for improving analysis of student data
7. Security analytics
8. Integrated student success planning and advising systems
9. Mobile apps for enterprise applications
10. Predictive analytics for student success (institutional level)
By Carnegie Classification

**Associate’s Institutions** (n = 21)

- Uses of APIs
- Blended data center (on premises and cloud based)
- Incorporation of mobile devices in teaching and learning
- Open educational resources
- Integrated student success planning and advising systems
- Institutional support for accessibility technologies
- Courseware*
- Technologies for improving analysis of student data
- CRM covering full student life cycle*
- E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
- Technologies for planning and mapping student educational plans*

* Not part of the overall top 10
Bachelor’s Institutions \((n = 28)\)

- Incorporation of mobile devices in teaching and learning
- Institutional support for accessibility technologies
- Open educational resources
- Blended data center (on premises and cloud based)
- End-to-end communications encryption*
- Security analytics
- Uses of APIs
- Mobile apps for enterprise applications
- Digital assessment*
- IT accessibility assessment tools*
- Threat intelligence technologies*

* Not part of the overall top 10
Master’s Institutions, Public (n = 37)

- Technologies for improving analysis of student data
- Open educational resources
- Security analytics
- Uses of APIs
- Mobile device management*
- Incorporation of mobile devices in teaching and learning
- Technologies for offering self-service resources that reduce advisor workloads*
- Blended data center (on premises and cloud based)
- Games and gamification*
- Integrated student success planning and advising systems

* Not part of the overall top 10
**Master's Institutions, Private** (n = 37)

- Uses of APIs
- Institutional support for accessibility technologies
- Blended data center (on premises and cloud based)
- Integrated student success planning and advising systems
- CRM covering full student life cycle*
- E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
- Open educational resources
- Security analytics
- Technologies for improving analysis of student data
- Mobile apps for enterprise applications
- VDI environments to enhance online and mobile learning*

*Not part of the overall top 10*
Doctoral Institutions, Public \( (n = 53) \)

- Incorporation of mobile devices in teaching and learning
- Institutional support for accessibility technologies
- Uses of APIs
- Institutional repositories for research data*
- Open educational resources
- Technologies for improving analysis of student data
- Blended data center (on premises and cloud based)
- Predictive analytics for student success (institutional level)
- Inclusive access for course materials*
- Service-level reporting tools*
- Technologies for planning and mapping student educational plans*

* Not part of the overall top 10
Doctoral Institutions, Private (n = 22)

- Uses of APIs
- Institutional support for accessibility technologies
- Technologies for improving analysis of student data
- Application performance monitoring tools*
- IT accessibility assessment tools*
- Supporting data-intensive and computationally intensive instruction (e.g., data science, computational sciences)*
- Containerization*
- DevOps/DevSecOps*
- Digital assessment*
- Incorporation of mobile devices in teaching and learning
- Security analytics
- Technologies for planning and mapping student educational plans*
- VDI environments to enhance online and mobile learning*

* Not part of the overall top 10
By Institutional Approach to Technology

**Early Adopters** *(n = 107)*

- Uses of APIs
- Blended data center (on premises and cloud based)
- Institutional support for accessibility technologies
- Incorporation of mobile devices in teaching and learning
- Open educational resources
- Mobile device management*
- Technologies for improving analysis of student data
- Predictive analytics for student success (institutional level)
- End-to-end communications encryption*
- Mobile apps for enterprise applications
- Security analytics

*Not part of the overall top 10*
Mainstream Adopters (n = 106)

- Uses of APIs
- Blended data center (on premises and cloud based)
- Incorporation of mobile devices in teaching and learning
- Institutional support for accessibility technologies
- Security analytics
- Open educational resources
- Integrated student success planning and advising systems
- Technologies for improving analysis of student data
- Mobile apps for enterprise applications
- Threat intelligence technologies*

* Not part of the overall top 10
Late Adopters ($n = 47$)

- Uses of APIs
- Incorporation of mobile devices in teaching and learning
- Institutional support for accessibility technologies
- Technologies for improving analysis of student data
- Blended data center (on premises and cloud based)
- Open educational resources
- Application performance monitoring tools*
- Institutional repositories for research data*
- VDI environments to enhance online and mobile learning*
- Cloud-based identity services (e.g., Duo, OneLogin, PortalGuard)*
- CRM covering full student life cycle*
- Digital assessment*
- Security analytics

* Not part of the overall top 10
By Student FTE

Institutions with fewer than 2,000 student FTEs \( (n = 30) \)

- Uses of APIs
- Incorporation of mobile devices in teaching and learning
- E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
- Institutional support for accessibility technologies
- Open educational resources
- Security analytics
- Blended data center (on premises and cloud based)
- Integrated student success planning and advising systems
- Threat intelligence technologies*
- End-to-end communications encryption*

* Not part of the overall top 10
Institutions with 2,000–3,999 student FTEs (n = 38)

- Uses of APIs
- Institutional support for accessibility technologies
- Open educational resources
- Blended data center (on premises and cloud based)
- Mobile apps for enterprise applications
- Incorporation of mobile devices in teaching and learning
- Security analytics
- E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
- CRM covering full student life cycle*
- End-to-end communications encryption*
- Mobile device management*

* Not part of the overall top 10
Institutions with 4,000–7,999 student FTEs (n = 47)

• Uses of APIs
• Institutional support for accessibility technologies
• Open educational resources
• Blended data center (on premises and cloud based)
• CRM covering full student life cycle*
• Technologies for improving analysis of student data
• Incorporation of mobile devices in teaching and learning
• Integrated student success planning and advising systems
• Mobile device management*
• Technologies for planning and mapping student educational plans*

* Not part of the overall top 10
Institutions with 8,000–14,999 student FTEs (n = 35)

- Predictive analytics for student success (institutional level)
- Security analytics
- Technologies for improving analysis of student data
- Incorporation of mobile devices in teaching and learning
- IT accessibility assessment tools*
- Uses of APIs
- VDI environments to enhance online and mobile learning*
- Blended data center (on premises and cloud based)
- Institutional support for accessibility technologies
- Open educational resources

* Not part of the overall top 10
Institutions with 15,000+ student FTEs (n = 59)

- Incorporation of mobile devices in teaching and learning
- Blended data center (on premises and cloud based)
- Institutional support for accessibility technologies
- Open educational resources
- Technologies for improving analysis of student data
- Uses of APIs
- Digital microcredentials (including badging)*
- Institutional repositories for research data*
- Service-level reporting tools*
- Application performance monitoring tools*
- Digital assessment*
- Games and gamification*
- Open standards for educational and learning technologies*
- Security analytics
- XR (including virtual/augmented/mixed reality) for teaching and learning*

* Not part of the overall top 10