The EDUCAUSE 2019 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 2019. This year, 297 US and 47 non-US CIOs and IT leaders shared their current practices and intended deployment plans for 77 different technologies. The number of respondents rating individual technologies ranged from 246 to 278. 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 technology approach (early, mid, and late adopters), and by institution size (as measured by student FTE). These views can help personalize the top 10 strategic technology experience and compare your institution’s status to your peers’. View additional resources, including an interactive strategic technologies graphic, on the [research hub](#).

### All US Respondents (n = 246)

1. Uses of APIs
2. Active learning classrooms
3. Blended data center (on premises and cloud based)
4. Incorporation of mobile devices in teaching and learning
5. Open educational resources
6. Institutional support for accessibility technologies
7. Technologies for improving analysis of student data
8. Application performance monitoring
9. Predictive analytics for student success (institutional level)
10. Integrated student success planning and advising systems
11. IT asset management tools (e.g., CMDB)
By Carnegie Classification

**Associate’s Institutions (n = 33)**

1. Blended data center (on premises and cloud based)
2. Institutional support for accessibility technologies
2. Technologies for planning and mapping student educational plans*
4. Integrated student success planning and advising systems
5. Open educational resources
6. Uses of APIs
7. Service-level reporting tools*
8. Active learning classrooms
8. IT accessibility assessment tools*
8. Technologies for improving analysis of student data

* Not part of the overall top 10
**Bachelor's Institutions (n = 31)**

1. Active learning classrooms
2. Open educational resources
3. Uses of APIs
4. Institutional support for accessibility technologies
5. Threat intelligence technologies*
6. Career planning systems*
7. Blended data center (on premises and cloud based)
8. Incorporation of mobile devices in teaching and learning
9. Institutional support for public-cloud storage (e.g., Box)*
10. Technologies for improving analysis of student data

*Not part of the overall top 10*
1. Uses of APIs
2. Active learning classrooms
3. Incorporation of mobile devices in teaching and learning
4. Open educational resources
5. E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
6. Blended data center (on premises and cloud based)
6. Institutional support for accessibility technologies
8. Mobile apps for enterprise applications and analytics*
8. Predictive analytics for student success (institutional level)
8. Technologies for improving analysis of student data

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

1. Blended data center (on premises and cloud based)
2. Incorporation of mobile devices in teaching and learning
3. Active learning classrooms
3. Integrated student success planning and advising systems
3. Uses of APIs
6. Technologies for improving analysis of student data
6. Technologies for planning and mapping student educational plans*
8. Cloud-based security services (e.g., Duo, Qualys ThreatPROTECT, cloud-based email security solutions)*
8. Institutional support for public-cloud storage (e.g., Box)*
8. Open educational resources

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

1. Active learning classrooms
2. Uses of APIs
3. Application performance monitoring
3. Mobile app development*
5. Blended data center (on premises and cloud based)
5. Incorporation of mobile devices in teaching and learning
7. IT asset management tools (e.g., CMDB)
7. Mobile device management*
7. Open educational resources
7. Predictive analytics for student success (institutional level)
7. Technologies for improving analysis of student data

* Not part of the overall top 10
Doctoral Institutions, Private \( (n = 21) \)

1. Active learning classrooms
2. Uses of APIs
3. IT asset management tools (e.g., CMDB)
4. Mobile device management*
4. Technologies for planning and mapping student educational plans*
6. Incorporation of mobile devices in teaching and learning
6. Predictive analytics for student success (institutional level)
8. Application performance monitoring
8. Flexible interactive platforms for descriptive and predictive analytics of institutional data*
10. Institutional repositories for research data*
10. Mobile apps for enterprise applications and analytics*
10. Technologies for improving analysis of student data

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

**Early Adopters**  ($n = 115$)

1. Uses of APIs
2. Active learning classrooms
3. Open educational resources
4. Institutional support for accessibility technologies
5. Incorporation of mobile devices in teaching and learning
6. Technologies for improving analysis of student data
7. Mobile apps for enterprise applications and analytics*
8. Predictive analytics for student success (institutional level)
9. IT asset management tools (e.g., CMDB)
10. Application performance monitoring
11. Blended data center (on premises and cloud based)
12. E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
13. IT accessibility assessment tools*
14. Service-level reporting tools*

* Not part of the overall top 10
Mainstream Adopters \((n = 123)\)

1. Uses of APIs
2. Active learning classrooms
3. Blended data center (on premises and cloud based)
4. Application performance monitoring
4. Incorporation of mobile devices in teaching and learning
6. Integrated student success planning and advising systems
7. Institutional support for accessibility technologies
7. Predictive analytics for student success (institutional level)
7. Service-level reporting tools*
7. Technologies for improving analysis of student data
7. Technologies for planning and mapping student educational plans*

* Not part of the overall top 10
Late Adopters  \((n = 42)\)

1. Active learning classrooms
2. Blended data center (on premises and cloud based)
3. Uses of APIs
4. Incorporation of mobile devices in teaching and learning
5. End-to-end communications encryption* 
5. IT asset management tools (e.g., CMDB)
5. Open educational resources
5. Predictive analytics for student success (institutional level)
5. Service-level reporting tools* 
5. Threat intelligence technologies* 

* Not part of the overall top 10
By Student FTE

Institutions with fewer than 2,000 student FTEs (n = 35)

1. Active learning classrooms
1. Open educational resources
1. Uses of APIs
4. Incorporation of mobile devices in teaching and learning
4. Threat intelligence technologies*
6. Blended data center (on premises and cloud based)
6. Technologies for improving analysis of student data
8. End-to-end communications encryption*
8. Institutional support for accessibility technologies
8. Technologies for offering self-service resources that reduce advisor workloads*

* Not part of the overall top 10
Institutions with 2,000–3,999 student FTEs \((n = 42)\)

1. Active learning classrooms
2. Blended data center (on premises and cloud based)
2. Open educational resources
2. Uses of APIs
5. Institutional support for accessibility technologies
5. Integrated student success planning and advising systems
5. Technologies for planning and mapping student educational plans*
8. Incorporation of mobile devices in teaching and learning
8. IT accessibility assessment tools*
8. Mobile device management*
8. Technologies for improving analysis of student data

* Not part of the overall top 10
Institutions with 4,000–7,999 student FTEs \((n = 51)\)

1. Active learning classrooms
2. Uses of APIs
3. Blended data center (on premises and cloud based)
4. Incorporation of mobile devices in teaching and learning
5. IT asset management tools (e.g., CMDB)
6. Institutional support for accessibility technologies
7. Open educational resources
8. Integrated student success planning and advising systems
9. Predictive analytics for student success (institutional level)
10. Technologies for improving analysis of student data
Institutions with 8,000–14,999 student FTEs \( (n = 34) \)

1. Active learning classrooms
2. Uses of APIs
3. Blended data center (on premises and cloud based)
4. Predictive analytics for student success (institutional level)
5. Mobile apps for enterprise applications and analytics* 
6. Integrated student success planning and advising systems
6. Technologies for improving analysis of student data
6. Technologies for planning and mapping student educational plans*
9. Incorporation of mobile devices in teaching and learning
10. Mobile device management*

* Not part of the overall top 10
Institutions with 15,000+ student FTEs \((n = 61)\)

1. Active learning classrooms
1. Uses of APIs
3. Incorporation of mobile devices in teaching and learning
4. Application performance monitoring
4. Institutional support for accessibility technologies
4. Mobile app development*
4. Open educational resources
8. Blended data center (on premises and cloud based)
8. Mobile device management*
10. End-to-end communications encryption*
10. E-signature technologies (e.g., DocuSign, Adobe Sign, and SignNow)*
10. IT accessibility assessment tools*
10. IT asset management tools (e.g., CMDB)
10. Technologies for planning and mapping student educational plans*
10. Threat intelligence technologies*

* Not part of the overall top 10