ECAR Study of Community College Students and Information Technology

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EDUCAUSE

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2018 Report

- 64,536 students (total surveys)
- 130 institutions
- 9 countries
- 36 US states
Poll question #1

Has your institution participated in ETRAC in the past five years?
- Yes
- No
- Don’t know

How to participate in 2020

- **NOW – Jan 2020**
  - Complete a planning form
  - [www.educause.edu/etrac](http://www.educause.edu/etrac)

- **Jan 2020 – Apr 2020**
  - Deploy surveys on your campus

- **July 2020**
  - Access your data

Participation Questions?
Contact [benchmarking@educause.edu](mailto:benchmarking@educause.edu)
Community College Participation

40 community colleges from:
• Plain states (67%)
• Great Lakes (12%)
• Mid-east (11%)
• Far West (8%)
• Southeast (5%)
• Southwest (3%)

Community College Report

Topics

• Overview of sample demographics
• Device access, ownership, and importance
• Student success tools
• Learning environment preferences
• Accessibility
Overview of demographics

<table>
<thead>
<tr>
<th>Community College Students in Our Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Females</td>
</tr>
<tr>
<td>Males</td>
</tr>
<tr>
<td>First-generation college</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Our Sample</th>
<th>National Population¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>70%</td>
<td>46%</td>
</tr>
<tr>
<td>Black/African American</td>
<td>7%</td>
<td>13%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>8%</td>
<td>25%</td>
</tr>
</tbody>
</table>

Work & family life

Mean age: 28  
Pell grant eligible: 66%

<table>
<thead>
<tr>
<th>Community College Students</th>
<th>4-yr Undergraduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>61% Enrolled full-time</td>
<td>87% Enrolled full-time</td>
</tr>
<tr>
<td>82% Hold jobs while taking classes</td>
<td>66% Hold jobs while taking classes</td>
</tr>
<tr>
<td>24% Enrolled full time and work full time</td>
<td>10% Enrolled full time and work full time</td>
</tr>
<tr>
<td>36% Dependent</td>
<td>66% Dependent</td>
</tr>
<tr>
<td>36% Independent without dependents</td>
<td>23% Independent without dependents</td>
</tr>
<tr>
<td>28% Independent with dependents</td>
<td>10% Independent with dependents</td>
</tr>
<tr>
<td>28% Married or in a domestic partnership</td>
<td>13% Married or in a domestic partnership</td>
</tr>
</tbody>
</table>

Student devices
Device access & ownership for community college students

3D tech access & ownership
Importance of 3D technologies

Very/extremely important among those who use them for their academic work:

<table>
<thead>
<tr>
<th>Community College Students</th>
<th>4-yr Undergraduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>30%</td>
<td>23%</td>
</tr>
<tr>
<td>55%</td>
<td>41%</td>
</tr>
</tbody>
</table>

- 24% who use 3D printers for their coursework said they use them in most/all of their courses, compared to 12% of 4-yr students

Importance of 3D printers

28% studying health sciences
Importance of 3D printers

84% said 3D printers are important to their academic success

28% studying health sciences

Questions?
2018 Report: Evaluation of student success tools

<table>
<thead>
<tr>
<th>Tools that aid in academic success</th>
<th>Haven't used service</th>
<th>Found service useful</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guidance about courses you might consider taking in the future</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early-alert systems designed to catch potential academic trouble as soon as possible</td>
<td></td>
<td></td>
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<tr>
<td>Tools that suggest how to improve performance in a course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tools that suggest new or different academic resources</td>
<td></td>
<td></td>
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<tr>
<td>Tools that aid in being a student</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Degree planning or mapping tools that identify courses needed to complete your degree</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Degree audit tools that show the degree requirements completed</td>
<td></td>
<td></td>
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<tr>
<td>Self-service tools for conducting student-related business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-service systems for tracking credits, credit transfers, and dual enrollment</td>
<td></td>
<td></td>
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<tr>
<td>Self-service referral systems to social or community resources</td>
<td></td>
<td></td>
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</tbody>
</table>

Percentages among students who are aware of each tool
Degree planning tools

- Community college students aware
- Four-year undergraduate students aware

Student learning environment preferences
Poll question #2

In which of the following learning environments do you think most community college students prefer to learn?

- Completely face-to-face
- Mostly but not completely face-to-face
- About half online and half face-to-face
- Mostly but not completely online
- Completely online

Learning environment preferences
Questions?
Poll question #3

- How do you think community college students with disabilities would rate your institution’s support of their need for accessible or adaptive technologies for their coursework?
  - Poor
  - Fair
  - Neutral
  - Good
  - Excellent

Institutional awareness of students’ accessibility needs
Institutional support of students’ accessibility needs

Questions?
ETRAC 2020

More community college participation in ETRAC!

- Sign up at www.educause.edu/etrac
- Questions? benchmarking@educause.edu

2018 Student Study

ECAR Study of Undergraduate Students and Information Technology, 2018

https://tinyurl.com/ECAR2018 SS
Thank you!

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