

Longer term emerging disruptions in the delivery of higher education

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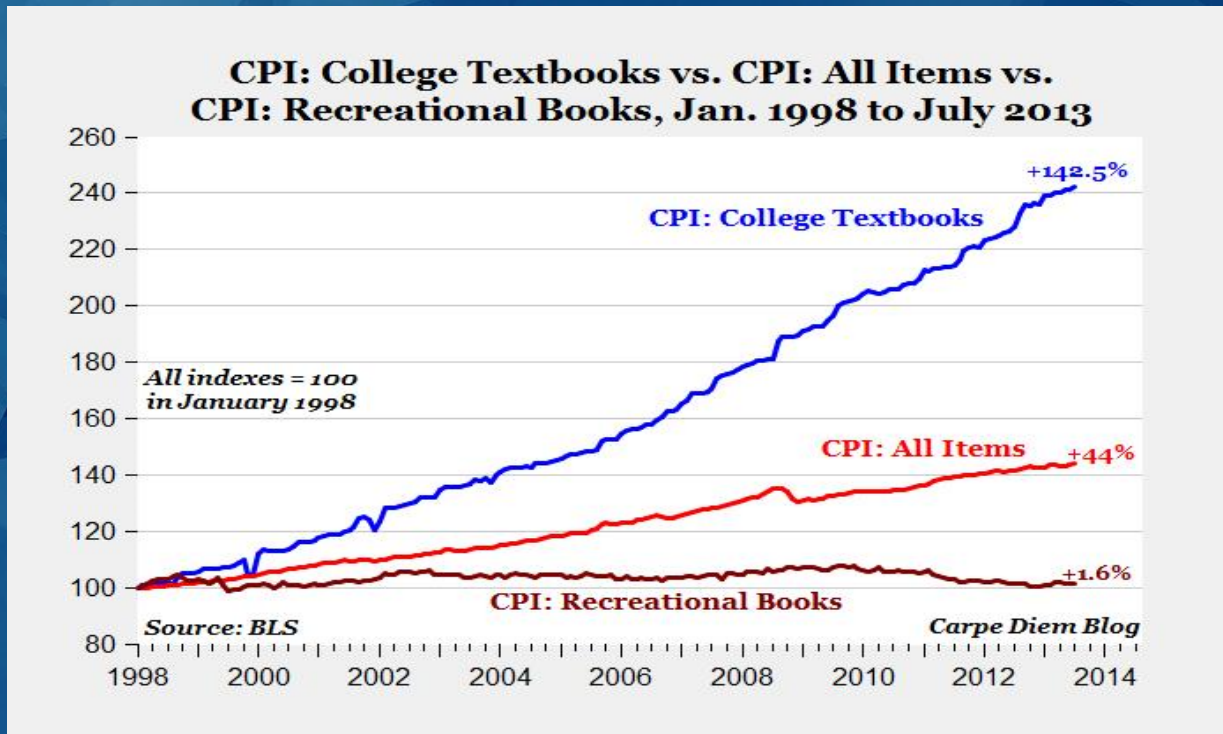
State University at New York (SUNY)



Agenda

- Open Education Resources
- OER leading to Open Pedagogy and Next Generation Learning Environment (NGLE)
- MOOC – not dead yet
- Impact of the Smart Schools Bond Act
- Beyond badges and stackable credentials – Blockcert
- The Cognitive Campus

College Textbook vs CPI



OER – 2011 TC3 NGLC

Intermediate Algebra

- Retention rate prior to OER: 63%
- Retention rate after OER: 78%
- Saved students \$206K-277K

Intro to Psychology

- Passing with C or better prior to OER: 50%
- Passing with C or better after OER: 71%



SUNY OER investment

To date IITG has awarded 3.5 million in grant funds to help spread the culture of innovation across SUNY. 1.6 million of which has been earmarked to support OER development in SUNY



2016 OER Degree Programs



A.S. Biology



A.A.S Criminal Justice



**A.A. General Studies
A.A. Social Sciences**



A.S. Business Administration



**A.A.S Computer Information
Services**

SUNY OER investment

SUNY has made a strategic investment in OER adoption and created a program called the SUNY OER Services

SUNY
OER
Services

OER 5Rs

The term "open educational resources" describe any copyrightable work that is licensed in a manner that provides users with free and perpetual permission to engage in the 5R activities:

- . Retain
- . Reuse
- . Revise
- . Remix
- . Redistribute

SUNY OER – State Investment

- As the cost of textbooks can be prohibitively expensive, the Budget also invests \$8 million to provide open educational resources, including electronic-books, to students at SUNY and CUNY. At the state's direction, SUNY and CUNY will use this funding to target high-enrollment courses, including general education, to maximize student savings. The 2017-2018 budget includes 8 million dollars to be split between SUNY and CUNY

OER - The Long View



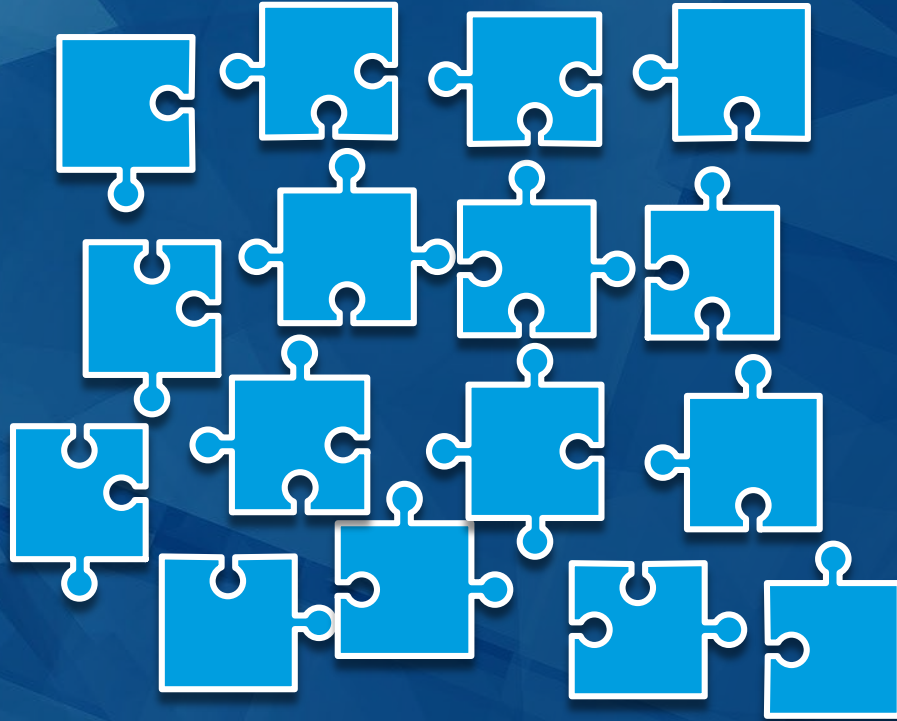
Open Modularized Content



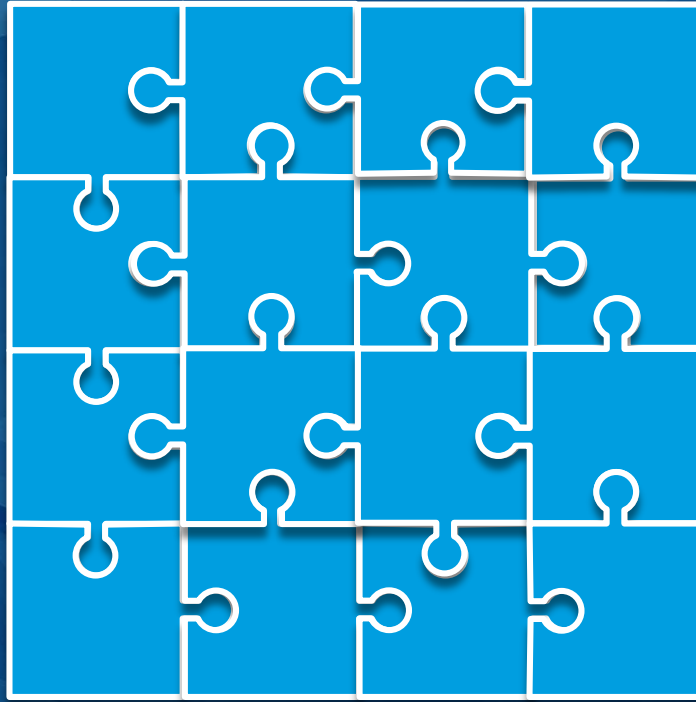
Leads to Open Pedagogy



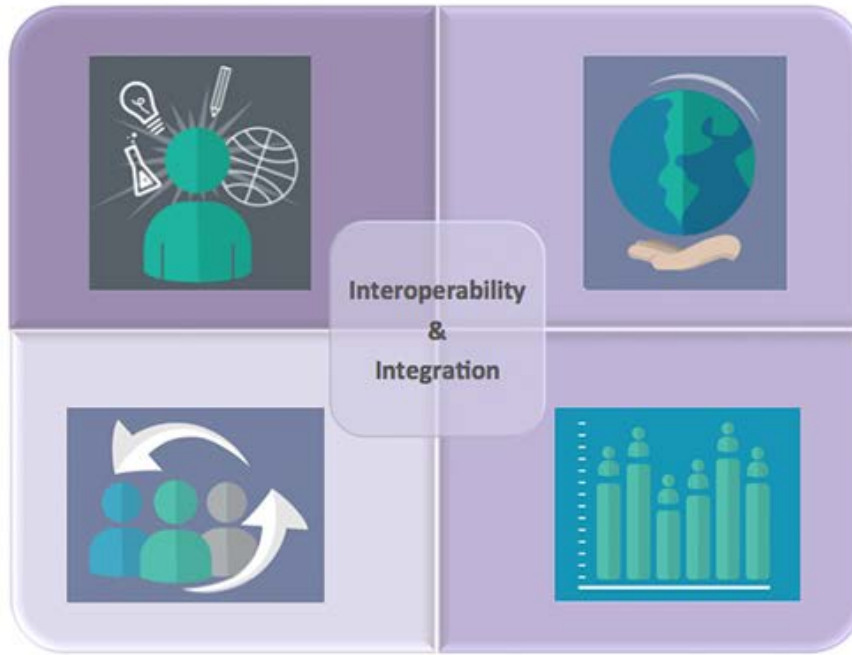
Discoverability via Linked Data



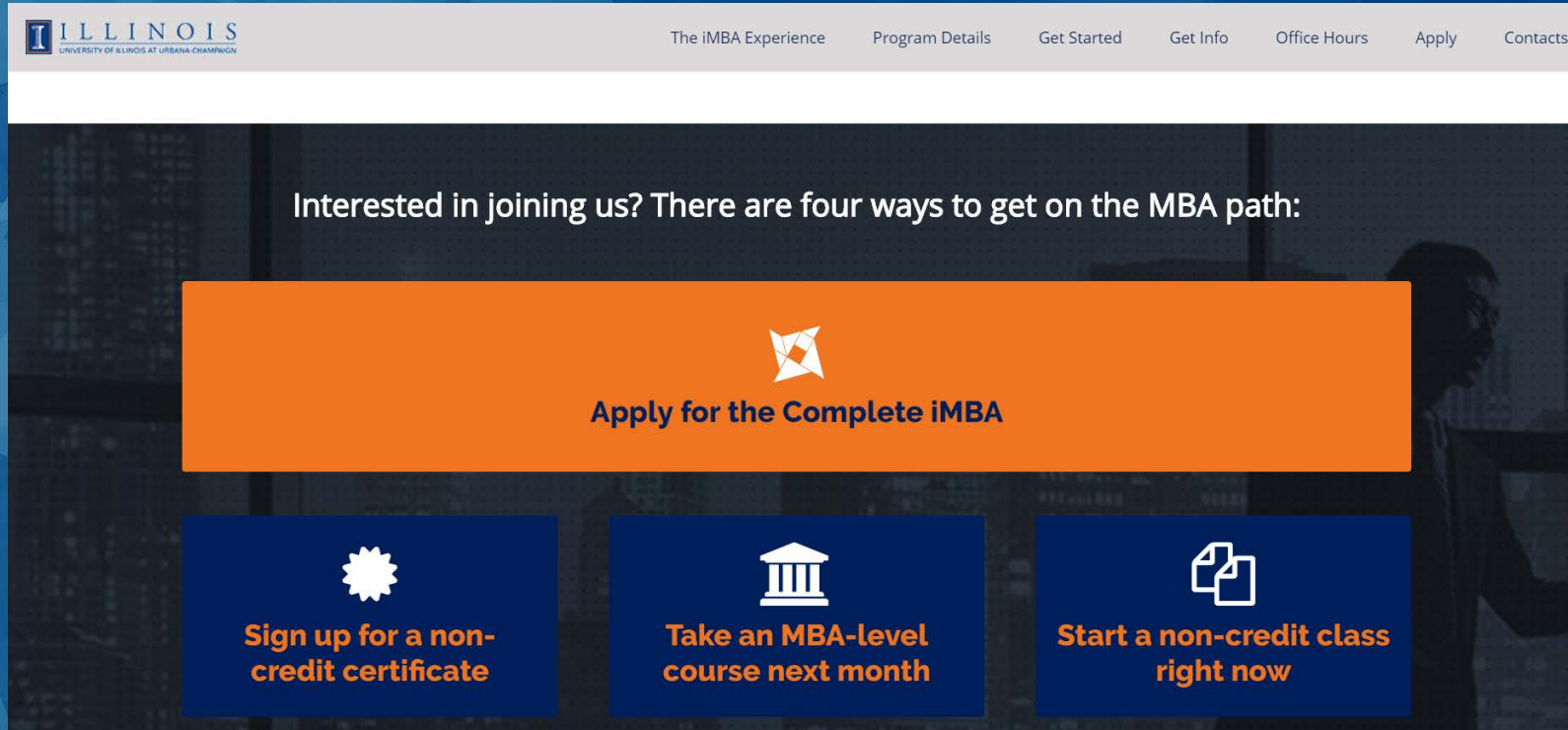
Personalized Learning



Open Pedagogy - NGLE



MOOC – Degrees, Workforce Development, Business Partnerships



The screenshot shows the top navigation bar of the University of Illinois iMBA website. The navigation bar includes the University of Illinois logo and a list of links: The iMBA Experience, Program Details, Get Started, Get Info, Office Hours, Apply, and Contacts. Below the navigation bar, a large orange button with a white geometric icon and the text "Apply for the Complete iMBA" is centered. Below this button, three dark blue boxes are arranged horizontally, each containing a white icon and text: a sun icon for "Sign up for a non-credit certificate", a classical building icon for "Take an MBA-level course next month", and a document icon for "Start a non-credit class right now".

ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

The iMBA Experience Program Details Get Started Get Info Office Hours Apply Contacts

Interested in joining us? There are four ways to get on the MBA path:


Apply for the Complete iMBA


Sign up for a non-credit certificate


Take an MBA-level course next month


Start a non-credit class right now

SmartSchool Bond Act

SSBA Facts and Flags by District

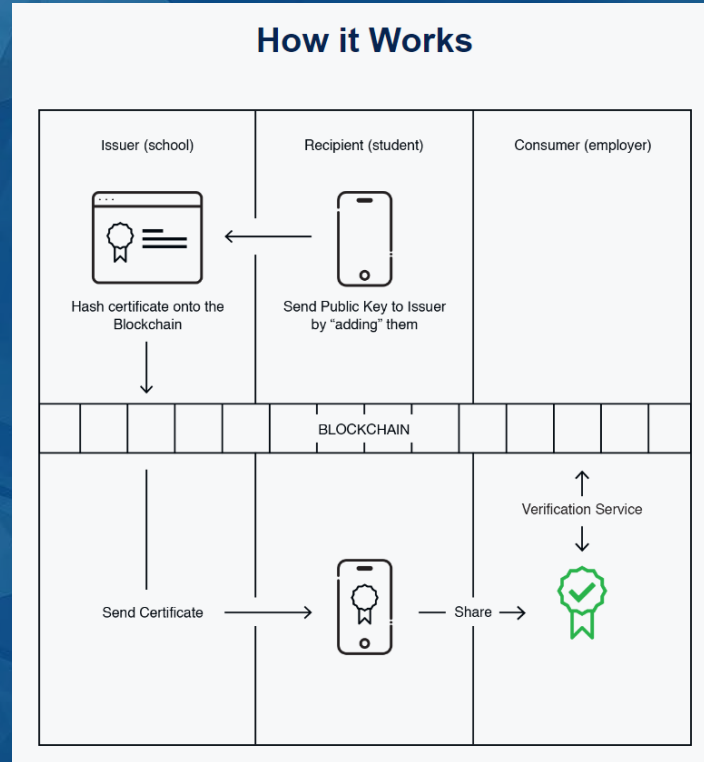
SHORT_NAME	Bond Allocation	Student/Staff Benefiting	Students	Teachers	GAFE	Chrome books	iPads	Smart Boards	LED Displays	BYOD	1-to-1	PD BOCES
AKRON CSD	1,255,318	1,600	109		☑	☑	☐	☐	☐	☐	☑	☑
ALBANY CITY SD	7,946,807	11,000	699		☑	☐	☑	☐	☐	☑	☐	☐
ALTMAR-PARISH-	2,067,182	1,360	100		☐	☐	☑	☐	☐	☐	☐	☐
AMAGANSETT UFSD	31,800	142	22		☐	☑	☐	☐	☐	☐	☑	☑
ARDSLEY UFSD	577,595	2,200	182		☑	☑	☑	☑	☐	☐	☐	☑
AVERILL PARK CSD	2,160,806	3,200	214		☐	☐	☐	☐	☐	☑	☐	☐
BARKER CSD	596,160	600	71		☐	☑	☐	☐	☐	☐	☐	☐
BATH CSD	1,826,167	1,570	144		☐	☐	☐	☐	☑	☐	☑	☐
BEDFORD CSD	624,371	3,202	379		☐	☐	☐	☐	☐	☐	☐	☐
BEEKMANTOWN CSD	1,534,655	2,000	168		☑	☑	☐	☐	☐	☐	☑	☐
BETHPAGE UFSD	1,128,764	3,331	274		☑	☑	☐	☐	☐	☐	☑	☑
BLIND BROOK-RYE UFSD	195,893	1,800	131		☐	☑	☐	☐	☐	☐	☐	☐
BREWSTER CSD	1,607,265	4,000	245		☑	☑	☐	☐	☐	☐	☑	☑
BRIARCLIFF MANOR UFSD	326,239	1,750	141		☐	☐	☐	☐	☑	☐	☑	☐
BRONXVILLE UFSD	172,631	2,050	142		☑	☑	☐	☐	☐	☐	☑	☐
BURNT HILLS-BALLSTON	1,900,404	3,600	270		☑	☑	☐	☐	☐	☐	☑	☐
CALEDONIA-MUMFORD CSD	837,412	1,000	81		☐	☐	☑	☐	☐	☐	☐	☑
CARLE PLACE UFSD	424,135	1,526	146		☑	☑	☐	☐	☐	☐	☐	☑
CARMEL CSD	2,434,123	5,000	323		☐	☐	☐	☐	☐	☐	☐	☐
CENTER MORICHES UFSD	1,034,558	1,650	121		☐	☑	☐	☐	☐	☐	☑	☐
CHAPPAQUA CSD	686,946	4,200	332		☐	☐	☐	☐	☐	☐	☐	☐
CHAUTAUQUA LAKE CSD	521,122	65	86		☐	☐	☐	☐	☐	☐	☐	☐
CHAZY UFSD	378,806	500	44		☐	☐	☐	☐	☐	☐	☐	☐
CHENANGO FORKS CSD	1,662,216	1,700	121		☐	☐	☑	☐	☐	☐	☐	☐



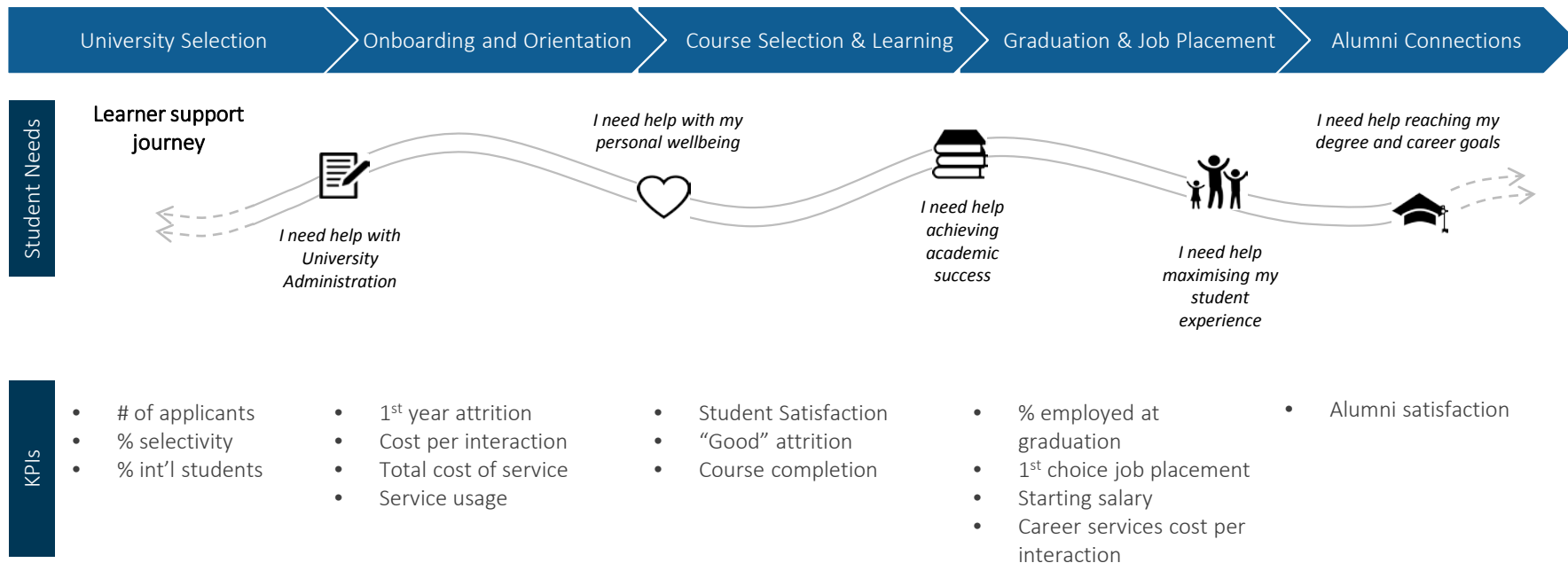
BlockCert: I've earned my credits — shouldn't I own them?



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The Cognitive campus – Watson manages end-to-end student experience



Any
Questions