Longer term emerging disruptions in the delivery of higher education

April 21, 2017

Carey Hatch
Associate Provost for Academic Technologies and Information Services
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

CPI: College Textbooks vs. CPI: All Items vs. CPI: Recreational Books, Jan. 1998 to July 2013

- CPI: College Textbooks: +142.5%
- CPI: All Items: +44%
- CPI: Recreational Books: +1.6%

Source: BLS, Carpe Diem Blog

All indexes = 100 in January 1998
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%
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. General Studies
- A.A. Social Sciences
- A.S. Business Administration
- A.A.S Criminal Justice
- A.A.S Computer Information Services
SUNY has made a strategic investment in OER adoption and created a program called the SUNY OER Services
The term "open educational resources" describes 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
Open Pedagogy - NGLE
MOOC – Degrees, Workforce Development, Business Partnerships

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

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<th>SHORT_NAME</th>
<th>Bond Allocation</th>
<th>Student/Staff Benefiting</th>
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BlockCert: I’ve earned my credits — shouldn’t I own them?

Name
Jessica Medina

Liberty High School
GPA 3.87

Graduation Date
June 2017

Class Rank
4/387

verified

Public Key
1HYPEutzw883MSmw6GWB

Blockchain Address
4vf641517554ac419da96e0a
BlockCert: I’ve earned my credits — shouldn’t I own them?
The Cognitive campus – Watson manages end-to-end student experience

**University Selection**
- # of applicants
- % selectivity
- % int’l students

**Onboarding and Orientation**
- 1st year attrition
- Cost per interaction
- Total cost of service
- Service usage

**Course Selection & Learning**
- Student Satisfaction
- “Good” attrition
- Course completion

**Graduation & Job Placement**
- % employed at graduation
- 1st choice job placement
- Starting salary
- Career services cost per interaction

**Alumni Connections**
- Alumni satisfaction

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**KPIs**

**Student Needs**
- I need help with University Administration
- I need help with my personal wellbeing
- I need help achieving academic success
- I need help maximising my student experience
- I need help reaching my degree and career goals

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**Process Flow**

1. **Learner support journey**
   - I need help with University Administration
   - I need help with my personal wellbeing
   - I need help achieving academic success
   - I need help maximising my student experience
   - I need help reaching my degree and career goals
Any Questions