

IBM Academic Initiative - zEnterprise

Round Table at University of Puerto Rico – Mayaguez

September 5, 2013



Agenda

Introductions

Why are we here?

How can IBM help?

Business Leaders

1. What does business consider to be a desirable college hire?
2. What are the business hiring needs as a result of pending retirements?

University Faculty

1. What curriculum exists that is creating the desirable college hire?
2. What curriculum can be adjusted to better prepare students for industry?
3. What are the faculty needs to include adjustments in existing curriculum?

Actions

1. Ideas for continuing dialogue between business, faculty, and students
2. What short term actions are possible to advance student preparation for industry responsibilities?

Introductions

IBM

Paul Newton, Consulting IT Specialist
zEnterprise Academic Initiative Technical Leader
25 years of enterprise IT experience before joining IBM in 1999

Ramon Bauza, zEnterprise Systems Programmer
Independent Software Vendor (ISV) technical support
Maintain zEnterprise environment used by ISVs world wide
University of Puerto Rico graduate

Name, Title, Responsibilities

Business Leaders

Name, Title, Industry, Responsibilities

University Faculty

Name, College, Classes and/or Academia Responsibilities

Why are we here?

Let's enjoy this opportunity to establish new professional relationships while discovering opportunities of mutual benefit

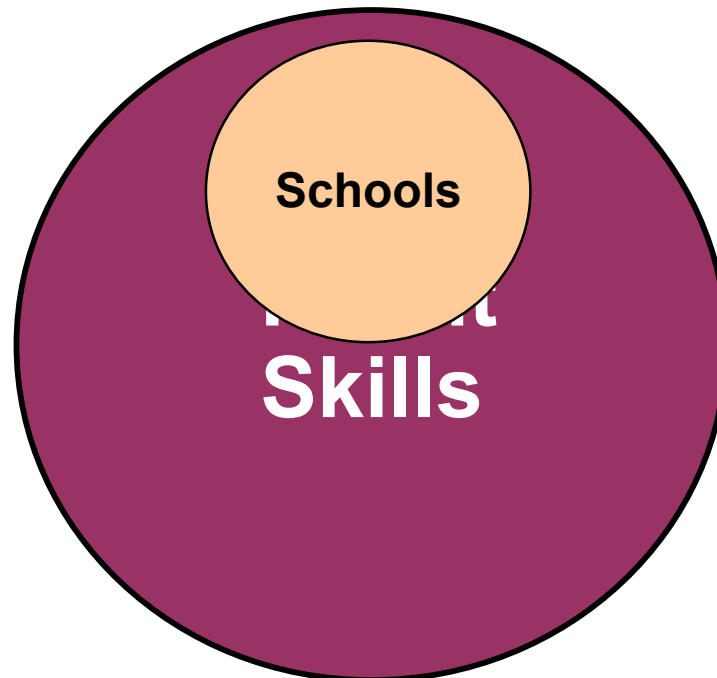


The need for knowledge workers by 'digital' enterprises



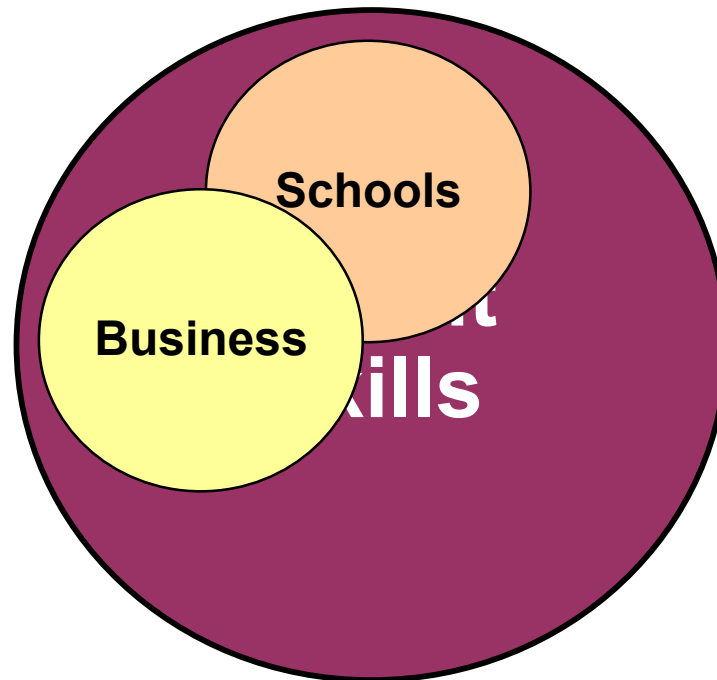
1. Exposure to technology used by industry
2. Competitive advantage by leveraging technology
3. Awareness of technology trends
4. Pipeline to learn from seniors approaching retirement

Continued transformation of curriculum



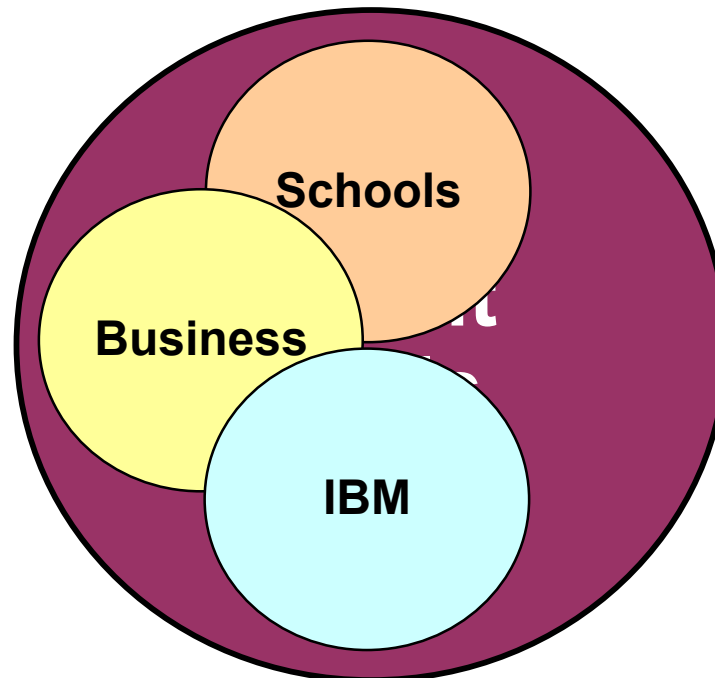
1. Existing curriculum review
2. Opportunity to adjust curriculum to meet needs of 'digital' enterprises
3. Education – not professional training
4. Exposing students to tools of industry and 'digital' enterprises

Need for continuous transformation and innovation



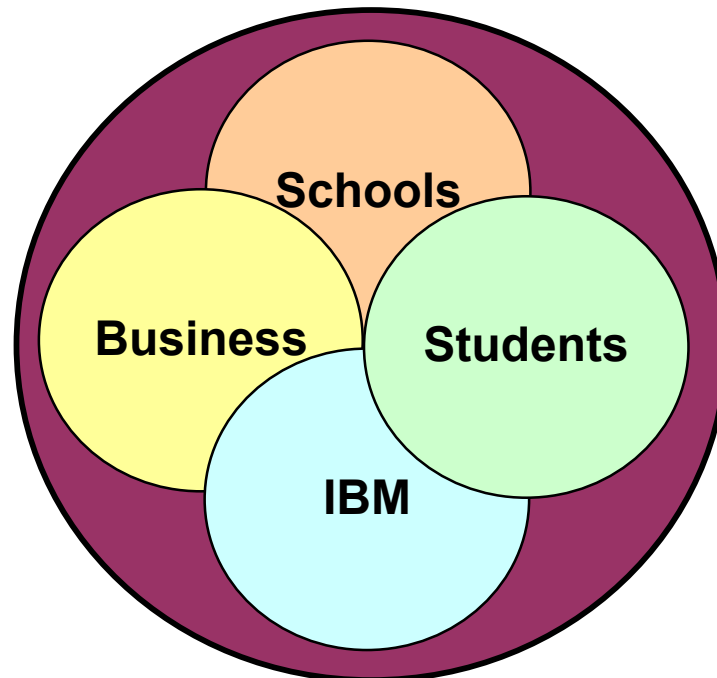
1. Strategic vision to advance competitive edge
2. Managing current inventory of tooling used for day to day operations
3. Highly experienced 'Baby Boomers' pending retirement
4. Succession planning of technicians, management, and executives

IBM Academic Initiative



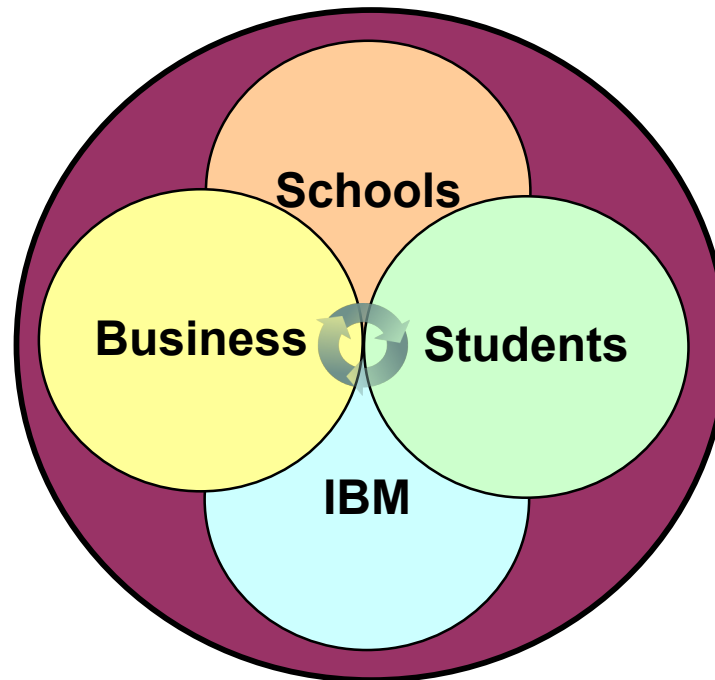
1. IBM stepped up relationship with schools in 2003
2. IBM clients began expressing concern about need to fill z Skills pipeline
3. Smarter Computing skills – Analytics, Mobile, Security, Cloud, API Economy
4. Reaching the students with Master the Mainframe contest

Jobs with significant responsibility



1. Good communication skills
2. Exposed to the computing tools used by large enterprises
3. Exposed to the computing trends that can advance competitive advantage
4. Bringing business and students together before graduation (internships, projects)

This is why we are here – Discuss and Act



1. What are the student pipeline needs of business?
2. What are the needs of faculty to help meet business student pipeline needs?
3. How to inform students of updated curriculum to help them find jobs?
4. How can IBM help?

How can IBM help?

IBM Academic Initiative

Building skills for a Smarter Planet

Welcome

Teaching topics

Community

Membership

Search



<http://www.ibm.com/academicinitiative>

Access to

1. Software used by industry
2. Hardware
3. Course material
4. Technical ambassadors

Master the Mainframe Contest

Send note to zskills@us.ibm.com
Request to be on distribution list

[zEnterprise specific opportunities](#)

What is a Mainframe?



Business Leaders

What does business consider to be a desirable college hire?

What are the business hiring needs as a result of pending retirements?

Leadership

Communication Skills

Teamsmanship

Business Sense

Desire to Contribute

Technology Exposure

Mentorship

Innovative

Positive Attitude

Work Ethic

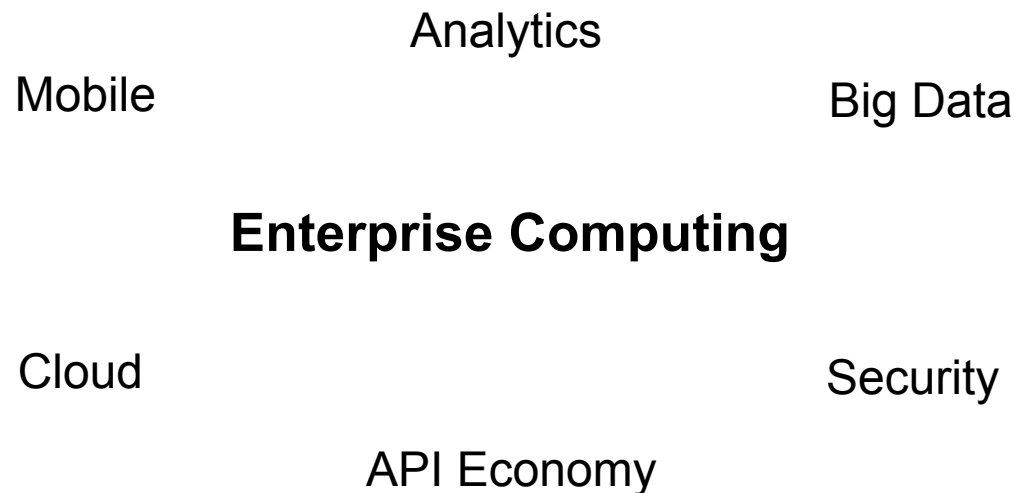
Professional Behavior

University Faculty

What curriculum exists that is creating the desirable college hire?

What curriculum can be adjusted to better prepare students for industry?

What are the faculty needs to include adjustments in existing curriculum?



Actions

Ideas for continuing dialogue between business, faculty, and students

Short term actions to advance student preparation for industry responsibilities

Team highly experienced associates with faculty

Team early career hires with faculty

Guest speaking engagements

Business Leaders

Technical Leaders

Early Career Hires

Review curriculum for update opportunities

New course opportunities

Tomorrow's zEnterprise Computing Workshop

- 9:00 Why include Enterprise Computing in Curriculum
- 9:30 IBM Available Resources
- 10:15 Break
- 10:30 zEnterprise Computing Environment Overview
- 12:00 Lunch
- 1:00 z/OS and z/VM Navigation Demonstration
Marist College
IBM Innovation Center Hub
- 2:15 Break
- 2:30 Business Application Development Demonstration
3270 Interface
FTP and SSH Interface
Rational Developer for zEnterprise (Eclipse IDE)
- 3:30 How and Where to Begin
Share experiences with other universities
Teach the Teachers (T3)
Opportunities to enhance existing curriculum
Small and simple changes with big impact

Thank You