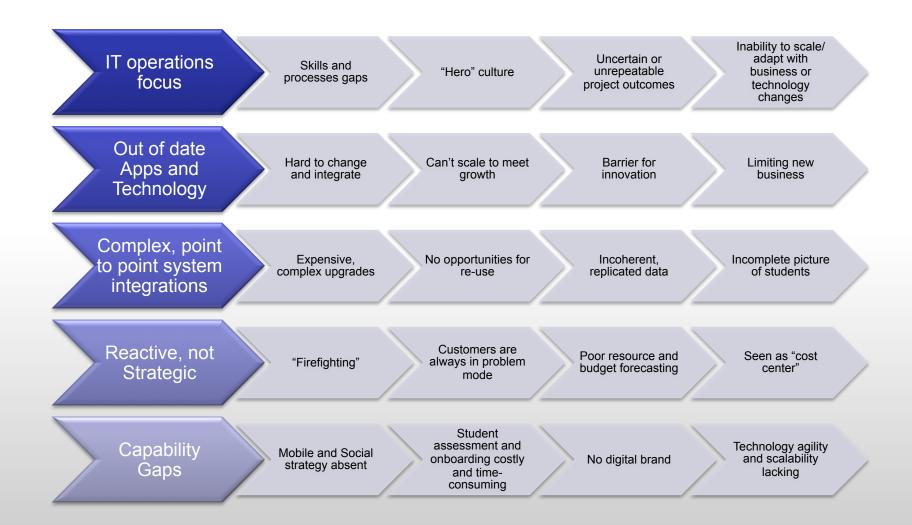


Capability Roadmaps at UMUC

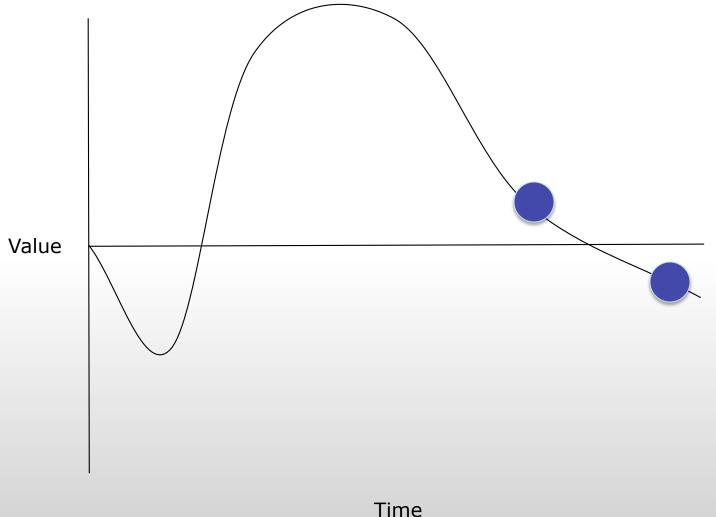
Rich Stevenson AVP, Enterprise Architecture

Challenges and Constraints, circa 2010



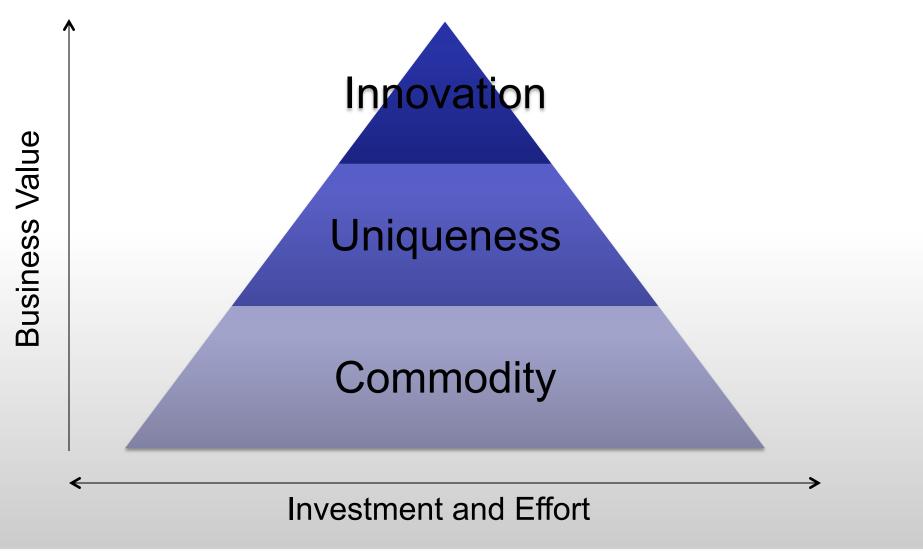
Technology Investment Life Cycle





Historical Technology Investment

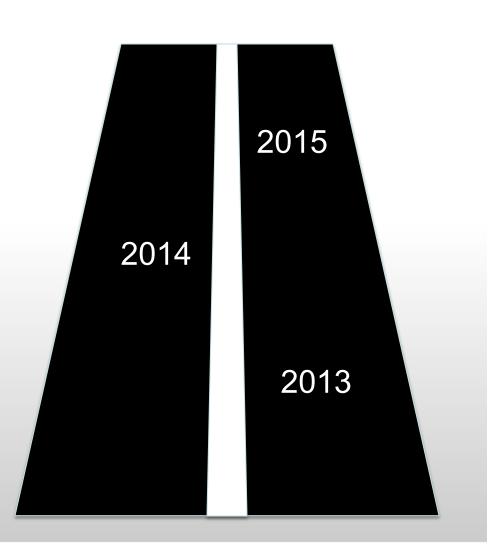




Enter Enterprise Architecture



- IT Strategic Enabler
- Drive Value
- Align Technology
 Spend With Business
 Goals
- Spend Visibility



UMUC Architecture Domains



Academic

Academic Administration

Foundational Technology

Partnerships Marketing and Enrollments

Administrative

Capability Roadmapping Process



Assess "As Is"

 Baseline of where UMUC is

Catalog Drivers

- Strategic Goals
- Resources (people, budget, IT)

Environmental Scan

- Competitors and Peers
- Industry Trends

Define Target

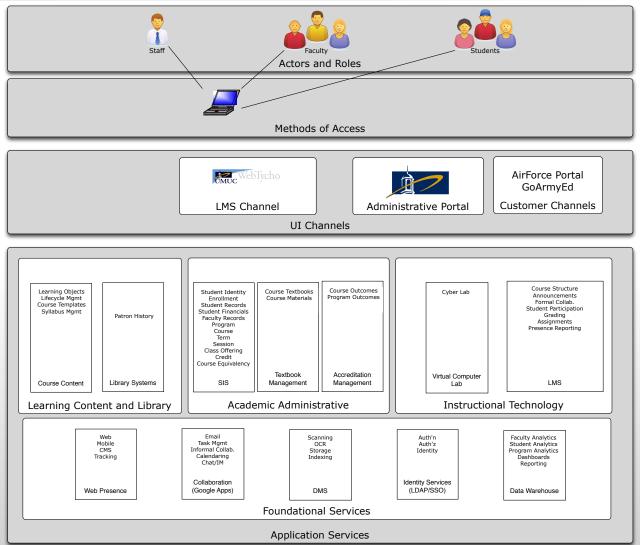
 IT capabilities needed to deliver on business goals

Propose solutions

- Roadmaps mapped over time
- Define IT priorities
- Align with budgets and staffing

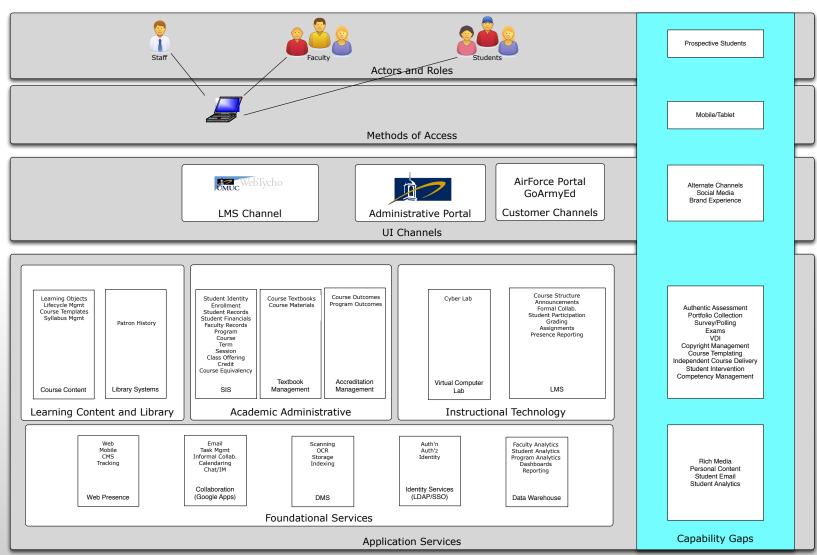
Baseline





Baseline and Gaps





Environmental Scan

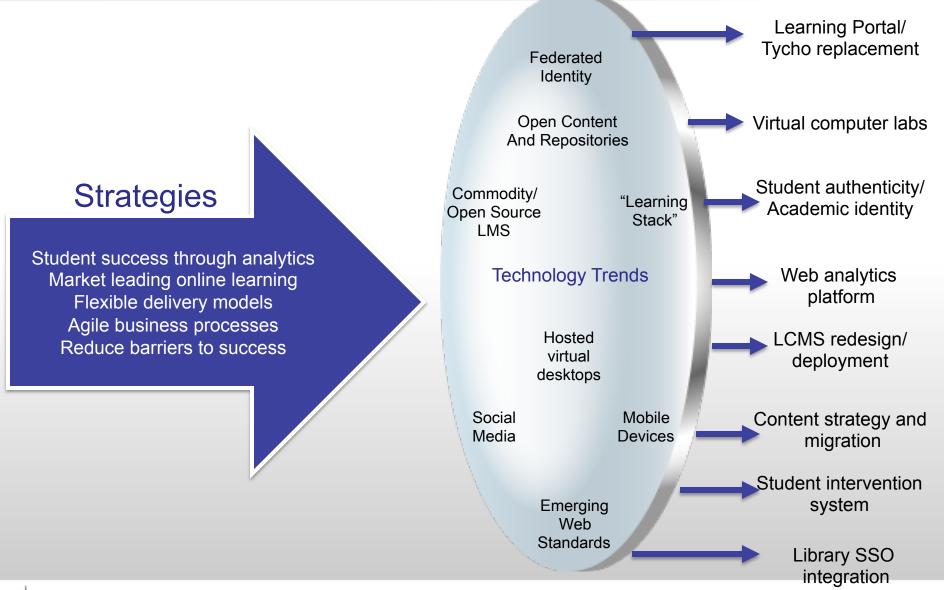


benefit	years to mainstream adoption				
	less than 2 years	2 to 5 years	5	to 10 years	more than 10 years
transformational	SOA	Cloud HPC/CaaS Media Tablet			Quantum Computing
high	CRM for Enrollment Management Hosted Virtual Desktops Organization-Centric IAM Social Media in Education Web and Application Hosting	Cloud Email for Staff and Faculty Learning Stack Open-Source Learning Repositories Open-Source Middleware Suites Social-Learning Platform for Education Unified Communications and Collaboration		Digital Preservation of Research Data Intellectual Property Rights and Royalties Management Software SIS International Data Interoperability Standards	User-Centric IAM
moderate	E-Portfolios Federated Identity Management Game Consoles as Media Hubs Lecture Capture and Retrieval Tools Mashups Open-Source E-Learning Applications Open-Source Portals Windows-Based Tablet PCs	802.11n Emergency/Mass Notification Services E-Textbook IT Infrastructure Utility ITIL SaaS Administration Applications Web-Based Office Productivity Suites		Affective Computing BYOD Strategy Campus App Store COBIT Gamification Mobile-Learning Low-Range/Midrange Handsets Mobile-Learning Smartphone Open-Source Financials Social Software Standards Virtual Environments/ Virtual Worlds Wireless aaS	ВРО
low				Open-Source SIS	EA Frameworks
	As of July 2011				
ource: Gartner: (July	2011)			,	

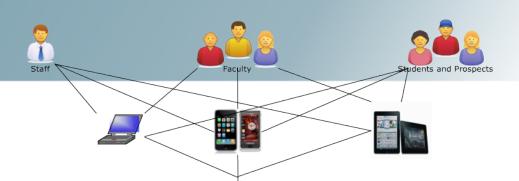
Gartner Hype Cycle for Education

Strategies, Trends and Initiatives





Target











Alternate LMS's



AirForce Portal GoArmyEd **Customer Channels**

Alternate Channels

UI Channels

Course Structure Course Textbooks Learning Objects Student Identity Course Outcomes Cyber Lab Lifecycle Mgmt Course Templates Syllabus Mgmt Enrollment Student Records Course Materials Program Outcomes VDI Formal Collab. uthentic Assessment Student Participation Portfolio Collection Student Financials Grading Portfolio Publishing Faculty Records
Program
Course Question/Test Patron History Competency Assignments Survey/Polling Entitlements Copyright Mgmt Textbook Management Management (TaskStream AMS) Exams Term Presence Reporting Session Class Offering Intervention Channels Pattern Analysis Course Equivalency Performance Metrics SIS Course Content Virtual Computer Library Systems Student Intervention System (PS Campus) Student Portfolio LMS Learning Content and Library Academic Administrative Instructional Technology Web Scanning Faculty Analytics Video Streaming Quota Mgmt Storage Task Mgmt OCR Student Analytics Auth'z Audio Streaming CMS Informal Collab. Storage Program Analytics Editing Sharing Identity Session Tracking Calendaring Indexing Dashboards Chat/IM Reporting Collaboration Identity Services (LDAP/SSO) Web Presence DMS Rich Media Personal Content Data Warehouse (Google Apps)

Foundational Services

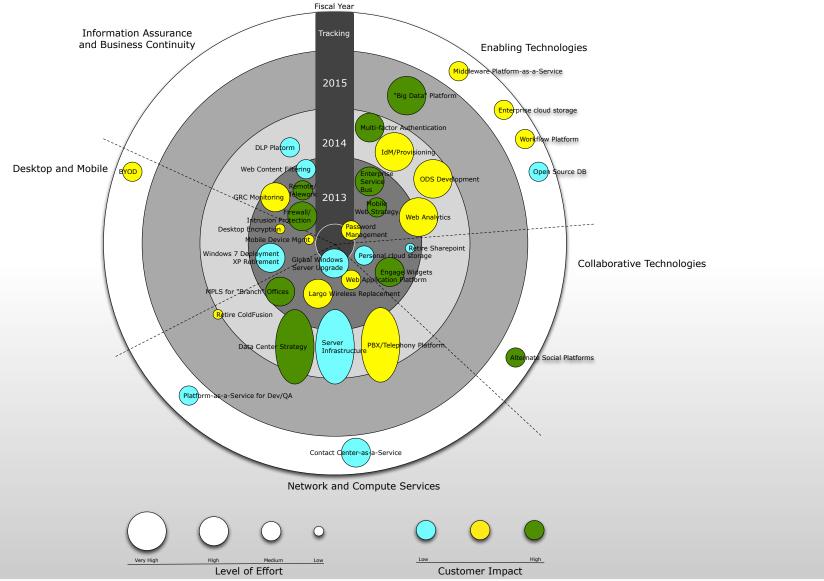
Application Services





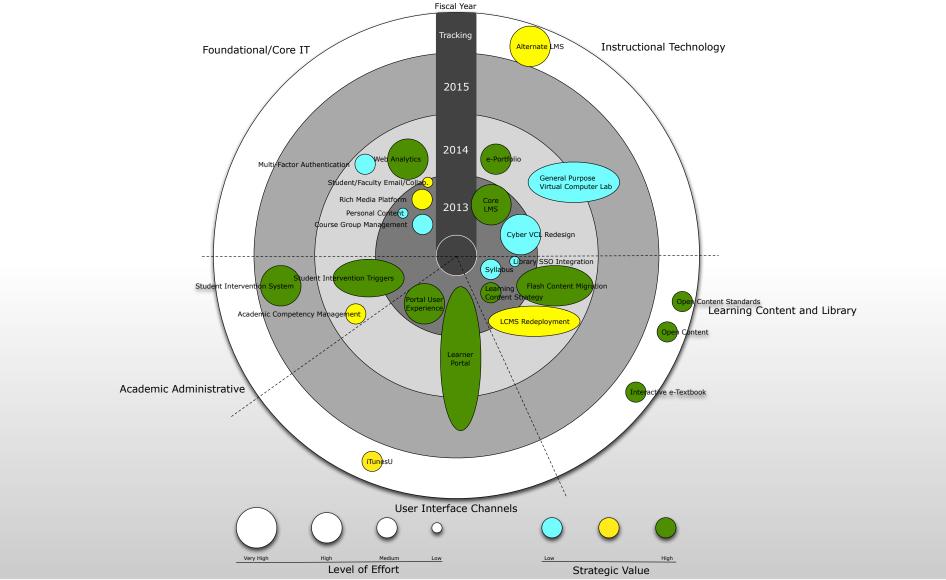
Foundational Technology Roadmap





Academic Capabilities Roadmap





Roadmap Costing



- Cost Estimates ± 50%
 - Less outer year certainty
 - Enterprise Architecture Practice Metric
- Startup Costs
 - Investment Account Funding

Early Results



- Initiative Songbook
 - Funding Certainty
 - Prioritization
- Decrease in "Side Door" IT Projects
- Clearer Scope for PMO Initiatives

Thank You



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