

Technology Strategy Implementation FY17

Information Technology Services

September 16, 2016



North Carolina Agricultural and Technical State University



Technology Strategy Implementation FY17

- IT Governance
- Banner and Ancillary Software
- Infrastructure
- Education and Research
- Staffing



IT GOVERNANCE



IT Governance – FY17 Focus and Time Line

- Interim IT Governance Committee Established
 - » Review and Prioritize Projects
 - Banner and Ancillary Systems
- Complete FY17
 - » IT Governance Assessment and Proposal
 - » Streamlined Project Management Methodology



BANNER & ANCILLARY SYSTEMS



Banner & Ancillary Systems – FY 17 Focus

- Academic Reorganization
- Recruitment
- Student Success
- Efficiency
- Mandates



Banner & Ancillary Systems – Time Line

- Complete in FY17
 - » Academic Reorganization
 - » Recruit CRM Phase 1
 - » Transfer Articulation
 - » Degree Works
 - » GradesFirst
 - » Mandates
- Investments
 - » Software Licensing and Services - \$300K
 - » Contract Employees



Banner & Ancillary Systems – UNC Mandates

- Fixed Tuition
- HR Data Mart
- Student Data Mart
- Uniform Residency
- UNC Online
- UNC Web Services



INFRASTRUCTURE



Infrastructure – FY17 Focus

- Network Upgrade Initiative
- Network Security Initiative
- Cloud Initiative



Network Upgrade Initiative

- Fiber Plant Upgrade
- Interim Upgrades
 - » Core Fiber Loop
 - » Second NC-REN Connection
- Remote Site Connection Upgrades
- Equipment Upgrades



Network Upgrade Initiative – Time Line

- Complete in FY17
 - » Fiber Assessment and Design
 - » Interim Core Fiber Loop
 - » Interim Second NC-REN Connection
 - » Remote Site Connection Upgrades
 - » Initial Equipment Upgrades
- Investments
 - » Core Fiber Loop - \$50K to \$500K
 - » Second NC-REN Connection - \$10K to \$100K
 - » Initial Equipment Upgrade - \$1M+



Fiber Upgrade – Time Line

- Assessment
- Design
 - » Leverage Existing Fiber
- Construction
 - » Phased Approach
 - » 1 to 5 Years
 - » \$1M to \$5M



Network Security Initiative

- Assessment and Control Review
- Remediation and Additional Controls

- Perimeter
- DMZ
- Network Segmentation
- Physical Security
- Policy and Procedure



Network Security Initiative – Time Line

- Complete FY17
 - » Perimeter Assessment and Remediation
 - » Network Equipment Assessment and Remediation
 - » Network Closet Assessment and Remediation
 - » Network Access Control Proof-Of-Concept
 - » Standards Assessment and Remediation
- Investments
 - » Equipment and Software - \$250K
 - » Contract Employees
 - » Training



Cloud Initiative – Time Line

- Completed
 - » Banner
 - » Blackboard
 - » Office 365
- Complete FY17
 - » Azure Active Directory
 - » Azure AD Federation Services
- Assess and Plan with UNC
- No Additional Investments Planned at Present



EDUCATION AND RESEARCH



Education and Research – FY17 Focus and Time Line

- Early in Planning Stage
- Complete FY17
 - » Accreditation Preparation
 - College of Business and Economics
 - College of Education



STAFFING



Staffing – FY17 Status

- Early in Planning Stage
- Reassign Staff
 - » Support Banner & Ancillary Projects
 - » Support Security Projects
- Contact Employees



Conclusion

TECHNOLOGY STRATEGY IMPLEMENTATION FY17