From No Card to OneCard

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Swarthmore College

- Private liberal arts college founded in 1864 by members of the Religious Society of Friends (Quakers)
- 425 acre campus located in Swarthmore, PA (11 miles southwest of Philadelphia)
- Current enrollment is 1641 with roughly 95% living on campus
Presentation Outline

- Life before OneCard
- Vision for a new program
- Planning process and timeline
- Project phases
- How the program looks today
- Questions / discussion
Life Before OneCard

- Previous ID card consisted of a magnetic stripe and prox technology and had no integration between systems.
- Dining Program
  - Traditional weekly meal plan options
  - Stored value program was only internal program for Dining
  - Standalone POS was used
    - Mag stripe technology
    - No Prox or credit card capability
- Access Control
  - C-Cure system used for access control
  - Roughly 20 doors on campus had Prox card readers
- Security Camera System
  - American Dynamics system for cameras
  - Roughly 35 cameras on campus
Vision for a New Campus Card Program

- After years of discussions, Swarthmore was ready to invest in a more robust, comprehensive campus card program.
- Campus stakeholders involved in these discussions and planning included:
  - Auxiliary Services
  - ITS
  - Public Safety
  - Facilities
  - Dean’s Division (Res Life / Housing)
  - Communications
  - Students
- The vision was **OneCard** - a program that would serve as a single source to access meals, make purchases, and navigate seamlessly and securely throughout campus.
Planning Process

● Part of the research process included attending the 2015 NACCU conference
● RFP sent to 3 vendors in September 2015
● CBORD selected as the system vendor in January 2016
  ○ CS Gold
  ○ Micros 3700
  ○ Qognify NiceVision
● Project scope finalized
● Electrical contractor selected for installation
● Card technology selected was the MIFARE DESFire EV1
● Card access readers would be a mix of wired, wireless, and PoE depending on the application.
● Implementation began in May 2016 for Phase 1
Planning Process (cont.)

- OneCard Office established within Auxiliary Services
  - Director of OneCard Services hired in July 2016 reporting to Executive Director of Auxiliary Services
  - Office location identified (3 locations in first 6 months!)
  - OneCard Associate hired as a temp to permanent position

- IT systems put in place including virtual servers, network planning and infrastructure, information system integration, and related security protocols

- Communications and marketing are created for the campus community

- The OneCard project would consist of 3 major phases lasting roughly 3-5 years
Phase 1 (Summer 2016 - Spring 2017)

- CBORD on site for system set-up and training
- Initial card design is finalized and re-carding process begins for roughly 3000 students, faculty, staff, and affiliates
  - New cards distributed by department for faculty/staff and by class year/res hall for students
- Dining POS System changed over
  - New stored value and meal plans programmed
    - Balances from existing faculty/staff stored value plan transferred over
    - Credit card readers added in fall 2016
- Access control programming groundwork set to allow for growth
- Existing building access control readers changed over to new system
Phase 1 (cont.)

- Self managed off-campus merchant program set up
  - Agreements signed with 8 local merchants
  - Logistics, reporting, and training put in place
  - Marketing / communications

- Introduce mobile readers for event check-in, age verification, etc.

- Access control installation was focused on all res hall exterior doors and selected high profile academic/admin building exterior doors

- Existing cameras moved to new system and installation of new, additional cameras begins
Phase 2 (Summer 2017 - Summer 2018)

- Access control installed at remaining academic and admin, athletic, and student space exterior doors
  - Selected interior doors at these locations also added access control
    - First set of wireless locks installed at a newly constructed academic building
- New camera installation continued around campus
- Expanded departmental use of mobile readers for office visits and data gathering
- With a year of data in our system, we were able to use this information for various reporting and analysis
- In summer of 2017 we opened a new student apartment complex
  - This would be our first building with all doors (exterior and interior) on access control
    - First time students wouldn’t need a key for their housing
Phase 3 (Fall 2018 - continuing)

- Access control installed at various interior doors (trouble spots, high priority, high key issuance, etc.)
- Card readers installed in another res hall during a summer renovation
- Looking at scope of work and costs required to add card readers to all remaining res hall room doors
- Working with our vending partner to add card readers
- Began discussions with our public transportation system for a possible integration
- Summer 2019 we will open our first academic building with access control throughout (over 225 doors)
- Patiently waiting for NFC/Mobile credentials which would ironically bring us back to No Card!
Timeline Review

2016
Pre-planning and Phase 1

2017
Complete Phase 1 and Begin Phase 2

2018
Complete Phase 2 and Begin Phase 3

2019
Continue Phase 3
A Look at Then and Now

Campus Card Program

- Access Control Locations
- Cameras
- Keys Issued Annually

Legend:
- Pre-OneCard
- Current Day
Questions and Discussion

- What does your campus card program entail?
- What obstacles did you encounter moving your program to current state?
- What type of card and reader technology are you using?
- Future planning?
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Thank you and enjoy the rest of the conference!