Agenda

• S3 / HTP Intro and Update
• S3 Admin Console
• Framing Goals
  – SSN Mitigation, Timelines, Data validation
• Student Data Warehouse (SDW)
• Authorization
• Project Sequencing and Timelines
TO HAVE AN ADAPTABLE AND CONTEMPORARY STUDENT SERVICES SUITE THAT IS RESPONSIVE TO A CHANGING ENVIRONMENT.
The S3 Project – HTP and FFP

• So far..  E-billing, account aging, Student Information Online, infrastructure, base

• Next… Homogeneous Technology Phase
  – Strong tech goals, supporting business needs
  – Business improvements (incidental, real)
  – “X” factor improvements – 10 to 15%

• And later…  Functional Focused Phase
  – New business modules, functions, updates (purchased product wherever possible)
HTP Project Goals

• Goals
  – Migrate to a web-based Admin Console using modern server, database, and development technologies
  – Improve usability and reduce user training time
  – Improved system stability and maintainability
  – Set the stage for business improvements in FFP
S3 Admin Console Design
Goal: to ensure ample community (end user) input to inform decision making and project development – for an improved end result

- Fall 2010 – workshops (general, targeted, “think aloud”)
  - Replicated Student Information Online (SIO) process
- End user inputs, testing during development (by module)
- Campus updates and postings to the ES website
- Training for each release
- Feedback regarding smaller module-based releases
UI Concept :: Student Detail 1 (SSD1)

This screen shows an alternate layout for the early UI concepts. There is a top bar that contains the students' information across SIS screens. This is also visually a little different from SIO, which would help identify to users that they are using SIS rather than SIO.

Dynamic actions specific to the screen as well as your user permissions are contained in a dropdown menu, which you can see on the top right side of the screen.

This screen shows the student detail view (SSD1). Below, you will find the current SSD1 screen, and to the right will be the early UI concept.

This blank space area is used in subsequent screens to show more data.

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# Introduction to Modern Chemistry

**COURSE #** 884400  
**COLLEGE** Carnegie Institute of Technology  
**DEPT** Materials Science & Engineering

## Details (18)

- **Confirmed**: Yes
- **Required Lecture**: section 1
- **Max Section**: 30
- **Actual F2**: 
- **Units**: 12
- **Hours per week**: 2
- **Classroom Media**: 

## Preferred Meeting Times (2)

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<th>REG</th>
<th>DAY(S)</th>
<th>BEGIN</th>
<th>END</th>
<th>BUILDING</th>
<th>ROOM</th>
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<tr>
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<td>W</td>
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<td>WEH</td>
<td>5310</td>
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<tr>
<td>Yes</td>
<td>M</td>
<td>9:30 AM</td>
<td>10:20 AM</td>
<td>WEH</td>
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# Introduction to Modern Chemistry

**Course #:** 884400  
**College:** Carnegie Institute of Technology  
**Department:** Materials Science & Engineering

## Reservations

<table>
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<tr>
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<td>View</td>
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**For:** 1 - A B C  
2 - D E F

## Details

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<td>Type:</td>
<td>R</td>
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<tr>
<td>Cross List:</td>
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**Special Permission:**  
Yes No

**Day:** Wednesday  
**Time:** 9:30 AM - 10:20 AM  
**Building:** WEH 5310  
**Capacity:** 30  
**Maximum:** 30

**Enrolled:** 30
Framing Goals
SSN Mitigation Goals

The project team will work consistently towards eliminating the use of the student SSN for all but required business practices based on the following principles:

– Good data management, risk reduction, consistency
– Protected systematically
– Alternate mechanisms (non-SSN) for student identification
– SSN used for essential business practices only
– Smooth and Efficient business practices
– The need for accessing and reporting on historic, current and future data
Calendaring and Timelines Goals

• Elimination of hard coded time elements in screens and batch code which limit functionality and flexibility for the users or the system.

• Creation of a catalog of the varied academic calendars for various programs, teaching locations and campuses.

• Enable the functionality to support varied academic calendars for various programs, teaching locations and campuses for:
  – course scheduling
  – registration/add/drop processes
  – tuition assessment/adjustment
  – enrollment/clearing process
  – mid-semester/mini/ final grade submission
Data Validation Goals

To keep the data
  as clean as possible
  as early as possible and
assist the user with valid choices

Notify the user of a data validation concern in a consistent manner using industry best practices.

The validation of data or the determination of authorization should be accomplished with minimal performance hit
Student Data Warehouse
SDW Current Goals

- Provide student data access in support of academic units’ functions
- Provide end user access to common queries and reports
- Expand user population through training and documentation
- Promote and foster data stewardship
SDW Future Goals

- Expand use to include student financials (aid and accounts)
- Replace monthly and centrally generated reports (grade reports, enrollment analysis, rank and QPA reports, etc.)
- Keep training and documentation up to date, helpful and relevant
Authorization
Authorization

Keep the data secure.
Provide a high level of security around the data and resources.

Make reporting easier.
Enable easier reporting to support users, auditors, and business owners.

Standardize authorization setup.
Reduce the amount of time it takes to administer authorization.

Reduce the cost to maintain it.
Reduce the cost of development and maintenance of authorization logic.
HTP Project Scope and Schedule
Project Construction Phase

- 2 – 3 calendar years in duration
- Functionality will be modernized and released on a regular basis, approximately quarterly
  - Starting with common business functionality
  - Then addressing business specific modules based on
    - Annual business cycles
    - Business team member availability
    - Number of users
  - It is expected that there will be approximately 10 major production releases during this phase
HTP Construction Phase Scope

- Convert the following application components:
- Admin User Interface screens (approx. 350)
- Convert Student Online Registration (OLR)
- Batch processes (approx. 270)
- Support for conversion of external applications accessing the SIS database
- Migrate existing manual queries to screens or SDW
- Integration with the existing SIO Admin and Billing and Aging applications.
HTP project summary

• 2 to 3 year project that will be followed by Functional Focused Phase (FFP)
• Strong set of technical goals that allows for cohesive support, modernized infrastructure, future growth
• End user gains that are inherent to the project

• Improvement of the happiness factor on campus? You tell us!