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# BAIT – IT BACHELORS IN PARTNERSHIP WITH COMMUNITY COLLEGES

# Historical Background

- ◎ Lots of Meetings!!
  - CC faculty
  - Business Leaders
  - Faculty
  - Students
  - ABET
  - Etc
- ◎ First offering Fall 2008 42 students
- ◎ Fall 2009 90 students
- ◎ First Graduate Dec 2010
- ◎ Silver Award in 2009 For “Innovation in Curriculum Development” from the National Center for the Study of Transfer Students
- ◎ Steady State of 125-160 students and about 30-40 graduates per year





# BA-IT Degree GOALS AND CONSTRAINTS

- ⦿ Valuable to area industry
- ⦿ Maximize potential transfer credits
- ⦿ Eligible for ABET accreditation
- ⦿ Meets the requirements for College of Engineering programs
- ⦿ Provides opportunities for transfer of courses and curriculum to community colleges
- ⦿ Multiple opportunities for hands-on experiences
- ⦿ Diverse background in IT topics in required courses
- ⦿ Flexibility for students to design their own specializations





How the customer explained it



How the Project Leader understood it



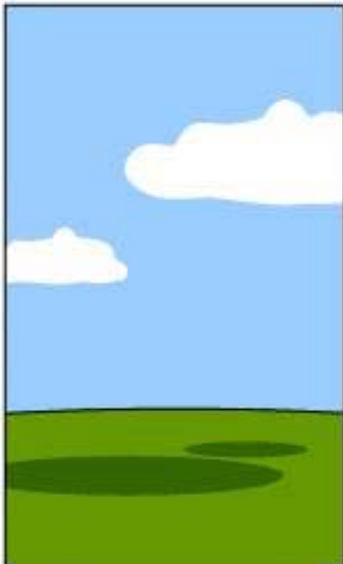
How the Analyst designed it



How the Programmer wrote it



How the Business Consultant described it



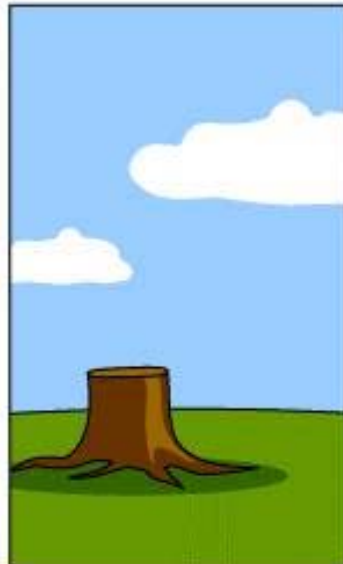
How the project was documented



What operations installed



How the customer was billed



How it was supported



What the customer really needed



# Workforce Skills Courses

- ◎ In Texas, and other states, certain courses are considered skills course and often do not transfer to 4 year academic programs
- ◎ As will be discussed later, these obstacles can be overcome with careful planning
- ◎ Some courses can be paired with academic courses as substitutes if certain requirements are met



# The UNT BAIT Degree

- ◎ This unique program was designed from the beginning to meet the special articulation needs of Community College students in technical disciplines
- ◎ It was also designed to meet the skills needed by area businesses and to provide flexibility
- ◎ Has already won awards for innovative curriculum design
- ◎ Has now passed ABET Accreditation twice. Good until 2021





# Components of BAIT

- ◎ Texas Core (all transfer –some flexibility for Out-of-State)
- ◎ Engineering Core
  - Science, Math and Technical Communications (most transfer)
- ◎ CS and IT Core
  - Programming (some transfer)
  - Analysis and Design (System/Business Analyst)
  - Database and Database Admin
  - Networking and Network Admin
  - Security
  - Project Management
  - Project-based Capstone experiences
  - Web development and Administration
- ◎ Supporting Area (21 hours)
  - Flexible to apply IT to any relevant area
  - Accepts workforce skills courses



# Program Requirements

- ⦿ 121 Hours minimum with 42 advanced hours
- ⦿ 8 hours of science with labs
- ⦿ 7 hours of Mathematics
- ⦿ 3 hours of Advanced Oral and Written Communications
- ⦿ 55 required hours in Computer Science and IT including 9 hours of advanced technical electives
- ⦿ 21 hours in supporting courses
- ⦿ University core (27 hrs)
- ⦿ This degree can also be configured to participate in the Teach North Texas program with teacher certification





# Unique Feature

- 21 hour Support area permits further specialization of an interdisciplinary nature
  - Pre-Med
  - Pre-Law
  - Pre-MBA
  - Game Development
  - Criminal Justice / CSI
  - Information Security
  - Communications and Networks
  - Technical Management
  - Computational Life Sciences
  - And many others



# TRANSFERABLE HOURS

- ◎ A total of up to 79 hours could be earned at the community college
- ◎ Typical transferable hours is about 40 hours
- ◎ With some work to revise required course sequences and degree plans, and tailored articulation agreements – more students could transfer more hours into the program
- ◎ This is one of our continuous working goals





# The BAIT Litmus Test

- ◎ One of the keys for the future success of BAIT was passing both SACS and ABET accreditation as an Engineering Program
- ◎ This is one of the only IT programs in Engineering in Texas and US, and one of only a couple that accepts workforce courses
- ◎ Sets the program apart from other IT programs in Business – it is a very technical IT degree



# Where is this going?

- ⦿ Selected Online curriculum for upper Division IT courses beginning Spring/Fall 2018
- ⦿ Full availability over the next 2-3 semesters following
- ⦿ Partnerships agreements with 8-10 community colleges the first year and adding 6-8 per year





## What does this mean for you??

- ◎ Become a partner through the CCN with UNT
  - Offer the degree plan remotely on your campus for your students
  - Concurrent enrollment
  - Stipends for mentors
  - Adjunct opportunities for qualified faculty
- ◎ Especially good for CCN members without a university nearby or one that does not have an IT Bachelors.



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# What does this mean for your neighbors and graduates??

- ◎ Help build a network of similar programs to support your graduates.
  1. We will mentor other 4 year colleges and universities to develop similar programs in other parts of the country. Send us your recommendations or contacts.
  2. Have them join the new CCN University subgroup to begin this process and others
    - a. Common articulation agreements
    - b. Joint degree programs
    - c. Bring your ideas





# What are my next steps??

- ◎ Refer your university friends to the the CCN university group
- ◎ Send me an email to reserve a spot in the BAIT cohort to offer BAIT at your school
  - We will have an application ready September/Oct 2017
  - We will begin articulation agreement work over the Fall 2017
  - Fall 2018 we will start the mentor program (applications in December 2017)
  - After Fall 2018 we will begin looking at using Adjuncts for some courses as instructors and lab managers



# Questions??



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