

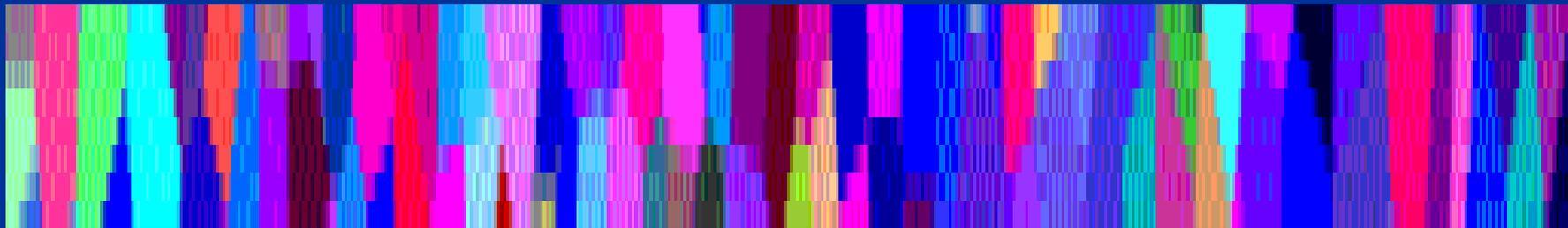
Curriculum Update: Computer Science & Computer Information Systems

Board of Trustees Retreat
August 22, 2013

Presenter: James R. Jansen, Ph.D.

Overview

- **Current Status: Computer Science**
- **Current Status: Computer Info. Systems**
- **Most Popular Online Degrees**
- **Faculty Support**
- **Potential Industry Partners**
- **Process: Next Steps**



Current Status: Computer Science

- Curriculum: 3 lecture courses
 - Intro. to Programming, Alice, Javascript (5)
 - Intro. to Computer Programming with Java (5)
 - Computer Science II Data Structures with Java (5)
- No FT faculty (only PT)
- No degree or certificate offered
- Competition: 16 WA CCs offer degree or certificate in Computer Programming, including all 5-Star Consortium Colleges and North Seattle CC

Current Status: Computer Information Systems

- Entire program (39 courses) eliminated in 2005
- No FT or PT faculty
- Competition: Other WA CCs offering a degree or certificate in the following areas:
 - Computer & Information Systems Security (6)
 - Computer Systems Networking & Telecom (25)
 - Information Processing (13)
 - Microcomputer Applications (17)
 - System Networking & LAN/WAN Management (4)
 - Technical Support / Support Services (17)

Most Popular Online Degrees

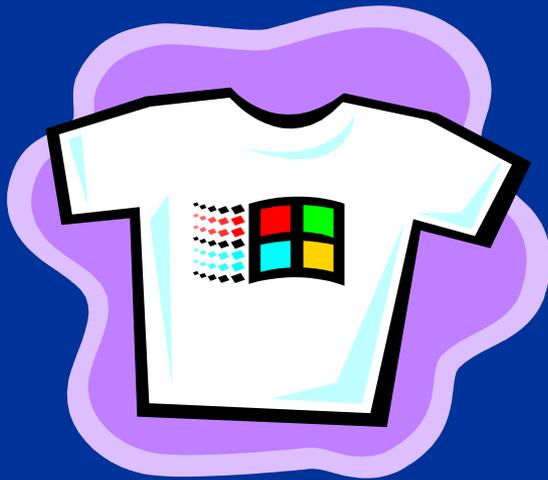
- #1 Business Administration
- #2 Liberal Arts (psychology emphasis)
- #3 *Computer Information Systems*
- #4 Criminal Justice

Faculty Support: Stephanie Diemel, Physics



Potential Industry Partners: Advisory Committee Members

- Microsoft
- Amazon



- Boeing
- Google



Process: Next Steps

- Form Advisory Committee to determine business & industry needs and curriculum
- Determine target credential:
 - AAAS degree (90 credits)
 - Certificate of Proficiency (20+ credits),
 - Certificate of Completion (up to 20 credits)
- Hire PT faculty to develop new courses
- Seek approval of new curriculum (process)
- Apply for state approval of new credential
- Hire teaching faculty