Sustainable Building Science Technology Bachelor of Applied Science, an industry driven degree

Washington Higher Education Sustainability Conference
February 15-17, 2017
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Who is South Seattle College?

- One of three colleges in the Seattle College District
- Seattle Colleges serves the city of Seattle and offers programs to nearly 50,000 students
- The Georgetown campus is a satellite campus of South Seattle College
  - Largest apprenticeship training center in the Northwest (63 trades)
  - Located in the industrial area of the city
  - 3 Bachelor of Applied Science degrees
    - Hospitality Management
    - Professional Technical Teacher Education
    - Sustainable Building Science Technology

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Sustainable Building Science Technology – A Brief History

- Partnerships & Grants for Short-Term Training, beginning 2008
  - Workforce Development Council of Seattle, City of Seattle, Seattle City Light, NEEC
  - ARRA Funding
  - Puget Sound Regional Council i6 grant

- Labor and Industry Involvement
  - South/Georgetown have been at the table with industry and labor in this sector for more than eight years
  - Connection to Apprenticeships in the building trades
  - Developed six short-term certificate courses that provided the foundation for this degree
  - Industry and college partners have voiced a need for degree program

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Formed the Technical Advisory Board (TAB)

- Outcomes mapping participants form the TAB core membership
- Critical activities of the TAB
  - Refine the degree
  - Investigate options for scholarships and internships
    - Helped to define the student requirements
      - AA degree
      - Work experience
      - Apprenticeship
  - Internship training agreement and learning objectives contract
- Spread the word, recruited first cohort of 15 students

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Industry’s Role

- Refinement of the curriculum
- Access to “community learning labs,” case studies, and people
- Outreach and recruitment about the program
- Interactions with students
  - Mentoring
  - Internships
  - Jobs
- Scholarship Fund contributions

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Results!

- Two Internship tracks evolved:
  - Students who are working fulltime:
    - Used internship requirement to “notify” management of their engagement with the degree program
    - Used the internship to solve current issues
  - Students who are in Transition:
    - Used internships to explore future employment opportunities
    - Used internships to hone specific skill sets that were determined to be deficient
    - Used internships for financial support

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Funding Resources

- NSF-ATE Project Grants (National Science Foundation – Advanced Technological Education) – due in October
  - Program development
  - Program improvement
  - Faculty development
- SBCTC Grants – State Board CTC – due in April
  - Perkins Plan
    - Curriculum development
  - Workforce Development Funds

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